# INTERNATIONAL JOURNAL OF RESEARCH IN COMPUTER APPLICATION & MANAGEMENT



A Monthly Double-Blind Peer Reviewed (Refereed/Juried) Open Access International e-Journal - Included in the International Serial Directories

\*Indexed & Listed at:\*\*

Ulrich's Periodicals Directory @, ProQuest, U.S.A., EBSCO Publishing, U.S.A., Cabell's Directories of Publishing Opportunities, U.S.A.

as well as in Den J-Gage, India [link of the same is duly available at Inflibnet of University Grants Commission (U.G.C Registered & Listed at: Index Copernicus Publishers Panel, Poland & number of libraries all around the world.

Circulated all over the world & Google has verified that scholars of more than 1667 Cities in 145 countries/territories are visiting our journal on regular basis.

## **CONTENTS**

Sr. No.	TITLE & NAME OF THE AUTHOR (S)	Page No
1.	EXPERT EVIDENCE: RULE OF ADMISSIBILITY IN INDIA WITH SPECIAL REFERENCE TO BALLISTICS	1
2.	BHAGWAN R. GAWALI & DR. DIPA DUBE  USING ARTIFICIAL NEURAL NETWORKS TO EXAMINE SEMIOTIC THEORIES OF ACCOUNTING ACCRUALS IN TEHRAN STOCK  EXCHANGE	4
3.	AFSANEH MIRZAEI, ALI REZA MEHRAZIN & ABULGHASEM MASYHAABADI JOB SATISFACTION AMONG EMPLOYEES IN INDUSTRIES IN TAMIL NADU, INDIA	11
4.	DR. ANTHEA WASHINGTON THE ICT ENABLED BUSINESS TRANSFORMATION IN THE BANKING INDUSTRY OF SRI LANKA (A CROSS CASES ANALYSIS)	17
5.	POONGOTHAI SELVARAJAN  THE NEED FOR ENERGY DEMAND SIDE MANAGEMENT IN COMMERCIAL AND RESIDENTIAL SECTORS IN NIGERIA	21
	AHMED ADAMU	
6.	EMOTIONAL INTELLIGENCE, CUSTOMER ORIENTATION, ADAPTIVE SELLING AND MANIFEST INFLUENCE: A COMPLETE TOOL KIT IN MARKETING EXCHANGES FOR SALESPERSONS	27
7.	ARSLAN RAFI, ZEESHAN ASHRAF, DILJAN KHAN, YASIR SALEEM & TAJAMAL ALI  PARADIGMS OF MODERN DAY MARKETING - A LOOK AT CURRENT SCENARIO  SUPREET AHLUWALIA & VIVEK JOSHI	33
8.	MIS VS. DSS IN DECISION MAKING  DR. K.V.S.N. JAWAHAR BABU & B. MUNIRAJA SEKHAR	39
9.	PRE-PROCESSING AND ENHANCEMENT OF BRAIN MAGNETIC RESONANCE IMAGE (MRI)  K.SELVANAYAKI & DR. P. KALUGASALAM	47
10.	IMPACT OF SERVICE QUALITY DIMENSIONS ON CUSTOMER SATISFACTION OF SBI ATM  NAMA MADHAVI & DR. MAMILLA RAJASEKHAR	55
11.	DEVELOPMENT OF LOW COST SOUND LEVEL ANALYZER USING SCILAB FOR SIMPLE NOISE MEASUREMENT APPLICATIONS  OJAS M. SUROO & MAHESH N. JIVANI	62
12.	INFLUENCE OF DEMOGRAPHY ON STORE CHOICE ATTRIBUTES OF MADURAI SHOPPERS IN RETAIL OUTLETS  DR. S. SAKTHIVEL RANI & C.R.MATHURAVALLI	67
13.	TRADE FINANCE AND METHODS & CHARACTERISTICS OF INTERNATIONAL PAYMENTS FOR INDIAN EXPORTERS RAJENDRA KUMAR JHA	72
14.	CUSTOMER SERVICE THROUGH THE BANKING OMBUDSMAN SCHEME - AN EVALUATION  DR. SUJATHA SUSANNA KUMARI. D	78
<b>15</b> .	MEASURING THE FINANCIAL HEALTH OF SELECTED LARGE SCALE IRON AND STEEL COMPANIES IN INDIA USING Z-SCORE MODEL DR. P. THILAGAVATHI & DR. V. RENUGADEVI	82
16.	DESIGN AND DEVELOPMENT OF 4-TIER ARCHITECTURE OF VIRTUAL NETWORK MODEL FOR FINANCIAL AND BANKING INSTITUTIONS  SARANG JAVKHEDKAR	87
17.	IMPACT OF FACE BOOK ADVERTISEMENT AND AWARENESS LEVEL AMONG THE CLIENTS WITH SPECIAL REFERENCE TO ERODE CITY  S.KOWSALYADEVI	91
18.	HUMAN RESOURCES IN SIX SIGMA - A SPECIAL LOOK  DR. B.SUMATHISRI	97
19.	MOBILITY AND RETENTION OF FEMALE FACULTIES IN PRIVATE COLLEGE POOJA	100
20.	EFFECT OF WORKING CAPITAL MANAGEMENT ON PROFITABILITY OF PHARMACEUTICALS FIRMS IN INDIA NILESH M PATEL & MITUL M. DELIYA	107
21.	AWARENESS OF TAX PLANNING - A STUDY WITH SPECIAL REFERENCE TO GOVERNMENT EMPLOYEES  DR. K. UMA & G. LINGAPERUMAL	113
22.	A STUDY ON ADOPTION OF INTERNET BANKING AMONG STUDENTS IN INDORE  HARDEEP SINGH CHAWLA & DR. MANMINDER SINGH SALUJA	117
23.	IMPACT OF MERGERS ON STOCK RETURNS: A STUDY WITH REFERENCE TO MERGERS IN INDIA  KUSHALAPPA. S & SHARMILA KUNDER	124
24.	SECURING E-COMMERCE WEBSITES THROUGH SSL/TLS  PRADEEP KUMAR PANWAR	130
25.	EFFICIENT ARCHITECTURE FOR STREAMING OF VIDEO OVER THE INTERNET  HEMANT RANA	134
26.	A STUDY ON INDIAN FOREIGN EXCHANGE MARKET EFFICIENCY – APPLICATION OF RANDOM WALK HYPOTHESIS  ANSON K.J	138
27.	AN EMPRICAL ANALYSIS OF FACTORS AND VARIABLES INFLUENCING INTERNET BANKING AMONG BANGALORE CUSTOMERS  VIDYA CHANDRASEKAR	143
28.	EMPLOYEE ATTRITION IN SOFTWARE INDUSTRY  I.NAGA SUMALATHA	149
29.	IMPORTANCE OF XBRL: AN OVERVIEW  B.RAMESH	154
30.	AN ANALYSIS OF ANEKA (CLOUD COMPUTING TOOL)  AANHA GOYAL & ANSHIKA BANSAL	159
	REQUEST FOR FEEDBACK	163

### CHIEF PATRON

### PROF. K. K. AGGARWAL

Chancellor, Lingaya's University, Delhi
Founder Vice-Chancellor, Guru Gobind Singh Indraprastha University, Delhi
Ex. Pro Vice-Chancellor, Guru Jambheshwar University, Hisar

### FOUNDER PATRON

### LATE SH. RAM BHAJAN AGGARWAL

Former State Minister for Home & Tourism, Government of Haryana Former Vice-President, Dadri Education Society, Charkhi Dadri Former President, Chinar Syntex Ltd. (Textile Mills), Bhiwani

### CO-ORDINATOR

DR. MOHITA

Faculty, Yamuna Institute of Engineering & Technology, Village Gadholi, P. O. Gadhola, Yamunanagar

### ADVISORS

DR. PRIYA RANJAN TRIVEDI

Chancellor, The Global Open University, Nagaland

PROF. M. S. SENAM RAJU

Director A. C. D., School of Management Studies, I.G.N.O.U., New Delhi

PROF. S. L. MAHANDRU

Principal (Retd.), MaharajaAgrasenCollege, Jagadhri

### **EDITOR**

PROF. R. K. SHARMA

Professor, Bharti Vidyapeeth University Institute of Management & Research, New Delhi

### CO-EDITOR

DR MOHITA

Faculty, Yamuna Institute of Engineering & Technology, Village Gadholi, P. O. Gadhola, Yamunanagar

### EDITORIAL ADVISORY BOARD

**DR. RAJESH MODI** 

Faculty, YanbulndustrialCollege, Kingdom of Saudi Arabia

**PROF. PARVEEN KUMAR** 

Director, M.C.A., Meerut Institute of Engineering & Technology, Meerut, U. P.

PROF. H. R. SHARMA

Director, Chhatarpati Shivaji Institute of Technology, Durg, C.G.

PROF. MANOHAR LAL

Director & Chairman, School of Information & Computer Sciences, I.G.N.O.U., New Delhi

**PROF. ANIL K. SAINI** 

Chairperson (CRC), Guru Gobind Singh I. P. University, Delhi

PROF. R. K. CHOUDHARY

Director, Asia Pacific Institute of Information Technology, Panipat

DR. ASHWANI KUSH

Head, Computer Science, UniversityCollege, KurukshetraUniversity, Kurukshetra

#### DR. BHARAT BHUSHAN

Head, Department of Computer Science & Applications, Guru Nanak Khalsa College, Yamunanagar

### DR. VIJAYPAL SINGH DHAKA

Dean (Academics), Rajasthan Institute of Engineering & Technology, Jaipur

### **DR. SAMBHAVNA**

Faculty, I.I.T.M., Delhi

### **DR. MOHINDER CHAND**

Associate Professor, KurukshetraUniversity, Kurukshetra

### **DR. MOHENDER KUMAR GUPTA**

Associate Professor, P.J.L.N.GovernmentCollege, Faridabad

#### **DR. SAMBHAV GARG**

Faculty, M. M. Institute of Management, MaharishiMarkandeshwarUniversity, Mullana

### **DR. SHIVAKUMAR DEENE**

Asst. Professor, Dept. of Commerce, School of Business Studies, Central University of Karnataka, Gulbarga

**DR. BHAVET** 

Faculty, M. M. Institute of Management, MaharishiMarkandeshwarUniversity, Mullana

### ASSOCIATE EDITORS

#### PROF. ARHAY BANSAL

Head, Department of Information Technology, Amity School of Engineering & Technology, Amity University, Noida

PROF. NAWAB ALI KHAN

Department of Commerce, AligarhMuslimUniversity, Aligarh, U.P.

### **ASHISH CHOPRA**

Sr. Lecturer, Doon Valley Institute of Engineering & Technology, Karnal

### TECHNICAL ADVISORS

### **AMITA**

Faculty, Government M. S., Mohali

DR. MOHITA

Faculty, Yamuna Institute of Engineering & Technology, Village Gadholi, P. O. Gadhola, Yamunanagar

### FINANCIAL ADVISORS

### **DICKIN GOYAL**

Advocate & Tax Adviser, Panchkula

#### **NEENA**

Investment Consultant, Chambaghat, Solan, Himachal Pradesh

### LEGAL ADVISORS

JITENDER S. CHAHAL

Advocate, Punjab & Haryana High Court, Chandigarh U.T.

**CHANDER BHUSHAN SHARMA** 

Advocate & Consultant, District Courts, Yamunanagar at Jagadhri

### SUPERINTENDENT

**SURENDER KUMAR POONIA** 

c)

e)

2

3.

### **CALL FOR MANUSCRIPTS**

We invite unpublished novel, original, empirical and high quality research work pertaining to recent developments & practices in the area of Computer, Business, Finance, Marketing, Human Resource Management, General Management, Banking, Insurance, Corporate Governance and emerging paradigms in allied subjects like Accounting Education; Accounting Information Systems; Accounting Theory & Practice; Auditing; Behavioral Accounting; Behavioral Economics; Corporate Finance; Cost Accounting; Econometrics; Economic Development; Economic History; Financial Institutions & Markets; Financial Services; Fiscal Policy; Government & Non Profit Accounting; Industrial Organization; International Economics & Trade; International Finance; Macro Economics; Micro Economics; Monetary Policy; Portfolio & Security Analysis; Public Policy Economics; Real Estate; Regional Economics; Tax Accounting; Advertising & Promotion Management; Business Education; Management Information Systems (MIS); Business Law, Public Responsibility & Ethics; Communication; Direct Marketing; E-Commerce; Global Business; Health Care Administration; Labor Relations & Human Resource Management; Marketing Research; Marketing Theory & Applications; Non-Profit Organizations; Office Administration/Management; Operations Research/Statistics; Organizational Behavior & Theory; Organizational Development; Production/Operations; Public Administration; Purchasing/Materials Management; Retailing; Sales/Selling; Services; Small Business Entrepreneurship; Strategic Management Policy; Technology/Innovation; Tourism, Hospitality & Leisure; Transportation/Physical Distribution; Algorithms; Artificial Intelligence; Compilers & Translation; Computer Aided Design (CAD); Computer Aided Manufacturing; Computer Graphics; Computer Organization & Architecture; Database Structures & Systems; Digital Logic; Discrete Structures; Internet; Management Information Systems; Modeling & Simulation; Multimedia; Neural Systems/Neural Networks; Numerical Analysis/Scientific Computing; Object Oriented Programming; Operating Systems; Programming Languages; Robotics; Symbolic & Formal Logic and Web Design. The above mentioned tracks are only indicative, and not exhaustive.

Anybody can submit the soft copy of his/her manuscript **anytime** in M.S. Word format after preparing the same as per our submission guidelines duly available on our website under the heading guidelines for submission, at the email address: <a href="mailto:infoijrcm@gmail.com">infoijrcm@gmail.com</a>.

### **GUIDELINES FOR SUBMISSION OF MANUSCRIPT**

COVERING LETTER FOR SUBMISSION:	DATED:
THE EDITOR URCM	DATED:
Subject: SUBMISSION OF MANUSCRIPT IN THE AREA OF	•
(e.g. Finance/Marketing/HRM/General Management/Economics/Psychology/Law/Computer/IT/Engineering/Mathe	ematics/other, please specify)
DEAR SIR/MADAM	
Please find my submission of manuscript entitled '' for possible pu	ublication in your journals.
I hereby affirm that the contents of this manuscript are original. Furthermore, it has neither been published elsewher under review for publication elsewhere.	re in any language fully or partly, nor is it
I affirm that all the author (s) have seen and agreed to the submitted version of the manuscript and their inclusion of n	name (s) as co-author (s).
Also, if my/our manuscript is accepted, I/We agree to comply with the formalities as given on the website of th contribution in any of your journals.	e journal & you are free to publish our
NAME OF CORRESPONDING AUTHOR:	
Designation:	
Affiliation with full address, contact numbers & Pin Code: Residential address with Pin Code:	
Mobile Number (s):	
Landline Number (s):	
E-mail Address:	
Alternate E-mail Address:	
NOTES:	
a) The whole manuscript is required to be in ONE MS WORD FILE only (pdf. version is liable to be rejected without the covering letter, inside the manuscript.	t any consideration), which will start from
b) The sender is required to mention the following in the <b>SUBJECT COLUMN</b> of the mail:	100
New Manuscript for Review in the area of (Finance/Marketing/HRM/General Management/Economics/Psychology)	ology/Law/Computer/IT/
Engineering/Mathematics/other please specify)	

### INTERNATIONAL JOURNAL OF RESEARCH IN COMPUTER APPLICATION & MANAGEMENT

Abstract alone will not be considered for review, and the author is required to submit the complete manuscript in the first instance.

MANUSCRIPT TITLE: The title of the paper should be in a 12 point Calibri Font. It should be bold typed, centered and fully capitalised.

There is no need to give any text in the body of mail, except the cases where the author wishes to give any specific message w.r.t. to the manuscript.

AUTHOR NAME (S) & AFFILIATIONS: The author (s) full name, designation, affiliation (s), address, mobile/landline numbers, and email/alternate email

ABSTRACT: Abstract should be in fully italicized text, not exceeding 250 words. The abstract must be informative and explain the background, aims, methods,

The journal gives acknowledgement w.r.t. the receipt of every email and in case of non-receipt of acknowledgment from the journal, w.r.t. the submission of manuscript, within two days of submission, the corresponding author is required to demand for the same by sending separate mail to the journal.

The total size of the file containing the manuscript is required to be below 500 KB.

address should be in italic & 11-point Calibri Font. It must be centered underneath the title.

results & conclusion in a single para. Abbreviations must be mentioned in full.

- 5. **KEYWORDS**: Abstract must be followed by a list of keywords, subject to the maximum of five. These should be arranged in alphabetic order separated by commas and full stops at the end.
- 6. MANUSCRIPT: Manuscript must be in <u>BRITISH ENGLISH</u> prepared on a standard A4 size <u>PORTRAIT SETTING PAPER</u>. It must be prepared on a single space and single column with 1" margin set for top, bottom, left and right. It should be typed in 8 point Calibri Font with page numbers at the bottom and centre of every page. It should be free from grammatical, spelling and punctuation errors and must be thoroughly edited.
- 7. **HEADINGS**: All the headings should be in a 10 point Calibri Font. These must be bold-faced, aligned left and fully capitalised. Leave a blank line before each heading.
- 8. SUB-HEADINGS: All the sub-headings should be in a 8 point Calibri Font. These must be bold-faced, aligned left and fully capitalised.
- 9. MAIN TEXT: The main text should follow the following sequence:

INTRODUCTION

**REVIEW OF LITERATURE** 

NEED/IMPORTANCE OF THE STUDY

STATEMENT OF THE PROBLEM

**OBJECTIVES** 

**HYPOTHESES** 

**RESEARCH METHODOLOGY** 

**RESULTS & DISCUSSION** 

**FINDINGS** 

**RECOMMENDATIONS/SUGGESTIONS** 

CONCLUSIONS

SCOPE FOR FURTHER RESEARCH

**ACKNOWLEDGMENTS** 

**REFERENCES** 

APPENDIX/ANNEXURE

It should be in a 8 point Calibri Font, single spaced and justified. The manuscript should preferably not exceed 5000 WORDS.

- 10. **FIGURES & TABLES**: These should be simple, crystal clear, centered, separately numbered &self explained, and **titles must be above the table/figure**. **Sources of data should be mentioned below the table/figure**. It should be ensured that the tables/figures are referred to from the main text.
- 11. **EQUATIONS**: These should be consecutively numbered in parentheses, horizontally centered with equation number placed at the right.
- 12. **REFERENCES**: The list of all references should be alphabetically arranged. The author (s) should mention only the actually utilised references in the preparation of manuscript and they are supposed to follow **Harvard Style of Referencing**. The author (s) are supposed to follow the references as per the following:
- All works cited in the text (including sources for tables and figures) should be listed alphabetically.
- Use (ed.) for one editor, and (ed.s) for multiple editors.
- When listing two or more works by one author, use --- (20xx), such as after Kohl (1997), use --- (2001), etc, in chronologically ascending order.
- Indicate (opening and closing) page numbers for articles in journals and for chapters in books.
- The title of books and journals should be in italics. Double quotation marks are used for titles of journal articles, book chapters, dissertations, reports, working papers, unpublished material, etc.
- For titles in a language other than English, provide an English translation in parentheses.
- The location of endnotes within the text should be indicated by superscript numbers.

### PLEASE USE THE FOLLOWING FOR STYLE AND PUNCTUATION IN REFERENCES:

#### воокѕ

- Bowersox, Donald J., Closs, David J., (1996), "Logistical Management." Tata McGraw, Hill, New Delhi.
- Hunker, H.L. and A.J. Wright (1963), "Factors of Industrial Location in Ohio" Ohio State University, Nigeria.

#### CONTRIBOTIONS TO BOOKS

Sharma T., Kwatra, G. (2008) Effectiveness of Social Advertising: A Study of Selected Campaigns, Corporate Social Responsibility, Edited by David Crowther & Nicholas Capaldi, Ashgate Research Companion to Corporate Social Responsibility, Chapter 15, pp 287-303.

#### JOURNAL AND OTHER ARTICLES

 Schemenner, R.W., Huber, J.C. and Cook, R.L. (1987), "Geographic Differences and the Location of New Manufacturing Facilities," Journal of Urban Economics, Vol. 21, No. 1, pp. 83-104.

### CONFERENCE PAPERS

 Garg, Sambhav (2011): "Business Ethics" Paper presented at the Annual International Conference for the All India Management Association, New Delhi, India, 19–22 June.

#### UNPUBLISHED DISSERTATIONS AND THESES

Kumar S. (2011): "Customer Value: A Comparative Study of Rural and Urban Customers," Thesis, KurukshetraUniversity, Kurukshetra.

### ONLINE RESOURCES

Always indicate the date that the source was accessed, as online resources are frequently updated or removed.

### WEBSITES

Garg, Bhavet (2011): Towards a New Natural Gas Policy, Political Weekly, Viewed on January 01, 2012 http://epw.in/user/viewabstract.jsp

### **CUSTOMER SERVICE THROUGH THE BANKING OMBUDSMAN SCHEME - AN EVALUATION**

DR. SUJATHA SUSANNA KUMARI. D
ASST. PROFESSOR
DEPARTMENT OF COMMERCE
SCHOOL OF BUSINESS STUDIES
CENTRAL UNIVERSITY OF KARNATAKA
GULBARGA

#### **ABSTRACT**

RBI had introduced the Banking Ombudsman Scheme (BOS) in India on June 14, 1995 to provide an expeditious and inexpensive forum to bank customers for resolution of their complaints relating to deficiency in banking services provided by commercial banks, regional rural banks and scheduled primary co-operative banks. There are 15 Offices of Banking Ombudsman (OBOs), spread across the country. RBI modified the Scheme in 2002, 2006, 2007 and 2009 on the basis of feedback gathered in the course of administering the BOS to include customer complaints on new areas such as credit card complaints, internet banking, deficiencies in providing the promised services by both bank and its sales agents (DSAs), levying service charges without prior notice to the customers, non-adherence to the Fair Practices Code adopted by individual banks, etc. RBI operates the BOS, free of cost, so as to make it common people oriented. In order to increase its effectiveness and utility, BOS is fully staffed and funded by RBI. This paper evaluates the performance of Banking Ombudsman Scheme 2006 in terms of complaints received, complaints handled, nature of complaints, cost of the scheme and complaints pending. The study reveals that BOS the number of complaints received has recorded substantial increase since 2006 and the rate of disposal of complaints is 94 per cent in 2010-11. The majority of cases are pending not more than one month. Complaints relating to card products (ATM, Debit and Credit cards) are the major area of complaints. The cost per complaints showed increasing trend.

#### **KEYWORDS**

Complaint, Customer, RBI, Bank, BOS.

#### INTRODUCTION

he Banking Ombudsmen help to support improvements and reduce disputes, help banks themselves to resolve disputes with consumers, resolve any consumer disputes that banks fail to resolve themselves and reduce the burden on the Courts. Internationally, it is becoming increasingly evident that both consumers and service providers find it easier to resolve disputes through Ombudsmen than through the Courts. The Banking Ombudsman Scheme is an efficient, cost effective and time-tested alternate dispute resolution mechanism. The Scheme is applicable to all commercial banks, regional rural banks and scheduled primary cooperative banks having business in India, covering banking transactions within the national boundaries, including internet transactions.

#### **GOALS OF BANKING OMBUDSMAN SCHEME**

- To ensure redressal of grievances of users of banking services in an inexpensive, expeditious and fair manner that will provide impetus to improved customer services in the banking sector on a continuous basis.
- To provide feedback/suggestions to Reserve Bank of India towards framing appropriate and timely guidelines to banks to improve the level of customer service and to strengthen their internal grievance redressal systems
- To enhance the awareness of the Banking Ombudsman Scheme
- To facilitate quick and fair (non-discriminatory) redressal of grievances through use of IT systems, comprehensive and easily accessible database and enhanced capabilities of staff through training.

### **GROUNDS OF COMPLAINT**

Any person, whose grievance against a bank is not resolved to his/her satisfaction by that bank within a period of one month after submitting the complaint, can approach the Banking Ombudsman if his complaint pertains to any of the following grounds alleging deficiency in banking including internet banking as specified in Clause 8 of BOS:

- Non-payment or inordinate delay in the payment or collection of cheques, drafts, bills etc.
- Non-acceptance, without sufficient cause, of small denomination notes tendered for any purpose, and for charging of commission in respect thereof;
- Non-acceptance, without sufficient cause, of coins tendered and for charging of commission in respect thereof;
- Non-payment or delay in payment of inward remittances;
- Failure to issue or delay in issue of drafts, pay orders or banks' cheques;
- Non-adherence to prescribed working hours;
- Failure to provide or delay in providing a banking facility (other than loans and advances) promised in writing by a bank or its direct selling agents;
- Delays, non-credit of proceeds to parties' accounts, non-payment of deposit or non-observance of the RBI directives, if any, applicable to rate of interest on deposits in any savings, current or other account maintained with a bank;
- · Complaints from Non-Resident Indians having accounts in India in relation to their remittances from abroad, deposits and other bank-related matters;
- Refusal to open deposit accounts without any valid reason for refusal;
- Levying of charges without adequate prior notice to the customer;
- Non-adherence by the bank or its subsidiaries to the instructions of RBI on ATM/Debit card operations or credit card operations;
- Non-disbursement or delay in disbursement of pension
- Refusal to accept or delay in accepting payment towards taxes, as required by RBI/Government;
- Refusal to issue or delay in issuing, or failure to service or delay in servicing or redemption of Government securities;
- Forced closure of deposit accounts without due notice or without sufficient reason;
- Refusal to close or delay in closing the accounts;
- Non-adherence to the fair practices code as adopted by the bank and
- Non-adherence to the provisions of the Code of Bank's Commitment to Customers issued by BCSBI and as adopted by the bank
- Non-observance of RBI guidelines on engagement of recovery agents by banks; and
- Any other matter relating to the violation of the directives issued by the RBI in relation to banking or other services.

The BO may also deal with any complaint on any one of the following grounds alleging deficiency in banking service in respect of loans and advances:

- 1. Non- observance of RBI Directives on interest rates;
- 2. Delays in sanction, disbursement or non-observance of prescribed time schedule for disposal of loan applications;

- 3. Non- acceptance of application for loans without furnishing valid reasons to the applicant; and
- 4. Non- observance of any other direction or instruction of the RBI, as may be specified by the RBI for this purpose, from time to time.

#### **OBJECTIVES OF THE STUDY**

The present study is based on the following objectives:

- To know the number of complaints received
- To know the nature of complaints handled
- To know rate of disposal of complaints
- To know the cost of handling complaints
- To know the pending period of complaints

#### **METHODOLOGY OF THE STUDY**

The present study is mainly based on the secondary data. The relevant data have been collected from the annual reports of the Banking Ombudsman Scheme and Report on Trend and Progress of Banking in India. A reference has also been made to various other journals and magazines. Apart from this, different editions of daily newspapers such as Economic Times, Business Standard, Financial Express, Business Line etc., have been used for the purpose of collecting information.

The study is intended to examine the performance of Baking Ombudsman Scheme in terms of number of complaints received, nature of complaints, number of complaints handled, cost of running the scheme and pending period the complaints. For the purpose of study the researcher has choosen five year i.e. 2007 to 2011. In order to analyse the data and to draw conclusions various statistical tools like percentage, graphs and charts have been extensively used.

### ANALYSIS OF THE PERFORMANCE OF BANKING OMBUDSMAND SCHEME

1. Receipt of Complaints: The Banking Ombudsman Offices receive complaints pertaining to deficiency in service provided by banks. The number of complaints received has recorded substantial increase since 2006 as new grounds of complaints such as credit card issues, failure in providing the promised facilities, non-adherence to fair practices code and levying of excessive charges without prior notice, etc were included in the Scheme. Further, internet banking related complaints were added as a new ground for complaint as per the February 3, 2009 amendment of the Scheme. Increased awareness among the public about the BOS and online accessibility to BO office through internet also contributed to the increase in receipt of complaints. The percentage of complaints received increased from 22% in 2006-07 to 44% in 2009-10. However, the number of complaints received decreased by 10% during 2010-11 compared to previous year. The small drop in the number of complaints does not point to any specific visible trend.

TABLE 1: NUMBER OF COMPLAINTS RECEIVED BY THE OBOS

	2006-07	2007-08	2008-09	2009-10	2010-11
No. of OBOS	15	15	15	15	15
Complaints received during the year	38638	47887	69117	79266	71274
Increase/decrease over previous year (%)	22%	24%	44%	15%	-10%
Average No. of Complaints received per BO Office	2576	3192	4608	5284	4752



Average number of complaints received per BO office is also increased from 2576 in 2006-07 to 5284 in 2009-10. This increase due to enlargement of the scope of the Scheme coupled with the awareness programmes undertaken by the BO offices on a regular basis. The increase in overage number of complaints per BO Office indicates popularity of the Scheme.

2. Nature of Complaints Handled: Table 2 gives the broad category wise complaints received during the five years. From the above it is clear that more number of complaints is about credit cards during study period. These complaints include complaints related to debit cards and ATM cards also. The types of card-related complaints consists of items like issuance of unsolicited credit cards and unsolicited insurance policies and recovery of premium charges, charging of annual fee in spite of being offered as 'free' card and issuance of loans over phone, disputes over wrong billing, settlement offers conveyed telephonically, non-settlement of insurance claims after the demise of the card holder, abusive calls, excessive charges, wrong debits to account, non-dispensation of money from ATM, etc. Complaints about deposit accounts, loans and advances, remittance, levy of charges without prior notice, failure to meet commitments, DSA and recovery Agents have declined during the study period.

BLE 2 – COMPLAINT C				COMPLAIN	TS RECEIV		
Ground of No of complaints received							
Complaint	2006-07	2007-08	2008-09	2009-10	2010-11		
concerning							
Deposit accounts	5803	5612 (12%)	6706	3681	1727 (2%)		
	(15%)		(10%)	(5%)			
Remittances	4058	5213	5335	5708	4216		
	(11%)	(11%) (8%)		(7%)	(6%)		
ATM/ Debit Cards/	7688	10129	17648	18810	17116		
Credit cards	(20%)	(21%)	(25%)	(24%)	(24%)		
Loans and	5151	6054	8174	6612	4564		
advances	(13%)	(13%)	(12%)	(8%)	(6%)		
Levy of Charges	2594	3740	4794	4764	4149		
without prior notice	(7%)	(8%)	(7%)	(6%)	(6%)		
Pension Payments	1070	1582	2916	4831	5927		
	(3%)	(3%)	(4%)	(6%)	(8%)		
Failure to meet	1469	6388	11824	11569	2962		
commitments	(4%)	(13%)	(17%)	(14%)	(4%)		
DSAs and recovery	1039	3128	3018	1609	1722		
Agents	(3%)	(7%)	(4%)	(2%)	(2%)		
Notes and coins	130	141	113	158	146		
	(0%)	(0%)	(0.2%)	(0.2%)	(0.2%)		
Others	9636	5900	8589	18840	20541		
	(25%)	(12%)	(12%)	(24%)	(29%)		
Out of Subject	-	-	-	2684	8204		
				(3%)	(11%)		
Total	38638	47887	69117	79266	71274		

(\*Figures in bracket indicate percentage to total complaints of respective years.)

Complaints relating to delay in payment of pension, pension arrears / wrong pension calculations etc. have increased from increased from 3% of the total complaints in 2006-07 to 8% in 2010-11. Complaints under the head 'Others 'decreased from 25 % of the total complaints in 2006-07 to 12% in 2008-09 and again it increased to 24% and 29% in 2009-10 and 2010-11 respectively. These include mainly non-adherence to prescribed working hours, refusal to accept or delay in accepting payments towards taxes as required by RBI/ Government of India, refusal to accept/delay in issuing or failure to service or delay in servicing or redemption of Government securities, refusal to close or delay in closing of accounts, etc. These complaints are of very primary in nature and need not had to be escalated to the offices of BOs and should have been redressed at individual banks' level.

3. Disposal of Complaints by BOS: A snap shot of the profile of complaints disposed off by the OBOs during the past five years is given in Table 3 and Chart 2. The rate of disposal has increased from 84% in 2006-07 to 94% in 20010-11. In absolute terms, the number of complaints pending disposal has declined from 7105 in 2006-07 to 4617 in 2010-11. This indicates promptness in disposal of cases at all the BO offices. Conscious efforts are being made to ensure minimum turnaround time (TAT) for grievance redressal at all the OBOs and the position in this regard is monitored through the Complaint Tracking Software (CTS).

No. of Complaints Year 2007-08 2008-09 2009-10 2010-11 2006-07 Received during the year 38638 47887 69117 79266 71274 Brought forward from previous year 6128 7105 5892 9433 5364 88699 Handled during the year 44766 54992 75009 76638 Disposed of during the year 37661 49100 65576 83335 72021 84% Rate of Disposal (%) 89% 87% 94% 94% Carried forward to the next year 7105 5892 9433 5364 4617

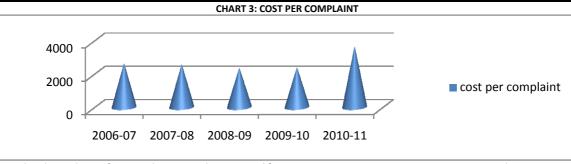
TABLE 3: DISPOSAL OF COMPLAINTS BY BO OFFICE



**4. Cost of Running the Scheme:** From January 1, 2006, the total expenditure in operationalizing the BOS is fully borne by the RBI in terms of the revised BOS 2006. The cost includes the revenue expenditure and capital expenditure incurred in running the OBOs. The revenue expenditure includes establishment items like salary and allowances of the staff attached to OBOs and non-establishment items such as rent, taxes, insurance, law charges, postage and telegram charges, printing and stationery expenses, publicity expenses, depreciation and other miscellaneous items. The capital expenditure items include furniture, electrical installations, computers/related equipments, telecommunication equipments and motor vehicle.

TABLE 4: THE COST OF HANDLING THE COMPLAINTS

Year	Total Cost (Rs. In Cr.)	No. of Complaints disposed	Cost per Complaint (in Rs.)
2006-07	9.81	37661	2604
2007-08	12.50	49100	2546
2008-09	15.29	65576	2331
2009-10	19.74	83336	2368
2010-11	26.07	72021	3619



The Table 4 shows that the total cost of running the 15 OBOs has increased from 9.81 crore in 2006-07 to 26.07crore in 2010-11. The increase in total cost is due to increase in number of complaints disposed. The number of complaints disposed increased from 37661 in 2006-07 to 72021 in 2010-11. The cost per complaint shows declining trend up to 2009-10 and it increased more in 2010-11. This highlights a need for strengthening the grievance redressal machinery in banks so that minimum number of complaints gets escalated to the OBOs. This can be achieved through a more proactive and customer centric approach by frontline staff of banks which will be helpful in resolving grievances at the initial touch point itself.

5. Complaints Pending: As regards pendency, the percentage of complaints pending more than three months has declined from 28% in 2006-07 to 1% in 2010-11. In absolute number it has declined from 1964 complaints in 2006-07 to just 35 complaints in 2010-11. This indicates substantial improvement in prompt disposal of complaints due to the close follow-up, both by the BOs and Top Management. The percentage of complaints pending for 2-3 months shows fluctuating trend. It is only 6% during 2010-11. Absence of adequate supporting documentary evidence, delayed response by banks to queries raised by BOs / complainants, etc. were the main reasons for delay in disposing the complaints

TABLE SI DE FALLS OF THE COMM EMPTOR EMPTOR THE EMPTOR THE TEAR										
Period of	No. of Cases Pending									
Pending	2006- 07	% to total pending	2007- 08	% to total pending	2008- 09	% to total pending	2009- 10	% to total pending	2010- 11	% to total pending
Up to 1 month	2262	32	2712	46	5041	54	2787	52	2888	63
1-2 months	1936	27	1394	24	2751	29	1526	28	1397	30
2-3 months	943	13	861	15	956	10	808	15	297	6
More than 3 months	1964	28	925	15	685	7	242	5	35	1

9433

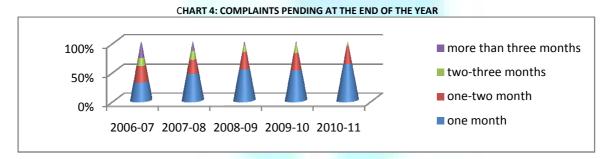
100

100

4617

100

TABLE 5: DETAILS OF THE COMPLAINTS PENDING AT THE END OF THE YEAR



### CONCLUSION

Total

This paper Evaluated the performance of Banking Ombudsman Scheme in terms of complaints received, nature of complaints received, complaints disposed, cost the scheme and complaints pending period. The study found that the total number of complaints received and handled under the BOS has been growing steadily. The Offices of the Banking Ombudsmen have been rendering excellent service over the years in redressing customer grievances in an impartial and efficient manner.

### **REFERENCES**

- 1. Banking Ombudsman Annual Reports
- 2. Banking Ombudsman Scheme 2006, RBI

7105

100

5892

100

- 3. Banking Ombudsman Scheme Report, RBI
- 4. Report on Trend and Progress of Banking in India 2010-11

# REQUEST FOR FEEDBACK

### **Dear Readers**

At the very outset, International Journal of Research in Computer Application and Management (IJRCM) acknowledges & appreciates your efforts in showing interest in our present issue under your kind perusal.

I would like to request you to supply your critical comments and suggestions about the material published in this issue as well as on the journal as a whole, on our E-mail infoijrcm@gmail.com for further improvements in the interest of research.

If you have any queries please feel free to contact us on our E-mail infoijrcm@gmail.com.

I am sure that your feedback and deliberations would make future issues better – a result of our joint effort.

Looking forward an appropriate consideration.

With sincere regards

Thanking you profoundly

**Academically yours** 

Sd/-

**Co-ordinator** 

### **ABOUT THE JOURNAL**

In this age of Commerce, Economics, Computer, I.T. & Management and cut throat competition, a group of intellectuals felt the need to have some platform, where young and budding managers and academicians could express their views and discuss the problems among their peers. This journal was conceived with this noble intention in view. This journal has been introduced to give an opportunity for expressing refined and innovative ideas in this field. It is our humble endeavour to provide a springboard to the upcoming specialists and give a chance to know about the latest in the sphere of research and knowledge. We have taken a small step and we hope that with the active cooperation of like-minded scholars, we shall be able to serve the society with our humble efforts.





